

WHAT IS CLAIMED IS:

- 5 1. A display unit comprising:
a display device;
a pseudo-tone processing means for receiving inputs of display data;
means in said pseudo-tone processing means for color-reducing each RGB
component of said display data by pseudo-tone processing to produce color-
reduced display data;
said pseudo-tone processing means includes means for performing color
reduction so that the tone number reflects a contribution of each RGB component
to brightness;
10 a frame memory for storing said color-reduced display data; and
a drive means for driving said display device with said color-reduced
display data from said frame memory.
- 15 2. A display unit comprising:
a display device;
a pseudo-tone processing means for receiving inputs of display data;
means in said pseudo-tone processing means for color-reducing each RGB
component of said display data by means of pseudo-tone processing to produce
color-reduced display data;
20 a frame memory for storing said color-reduced display data;
a drive means for driving said display device using data derived from said
color-reduced display data stored in said frame memory;
said pseudo-tone processing means including means for performing color
reduction so that the tone number of bits in each RGB component after color
25 reduction becomes G component > R component > B component.

3. A display unit as set forth in claim 1, wherein the tone number of the G component after color reduction is from about two to about 20 times the tone number of the B component.

5 4. A display unit as set forth in claim 2, wherein the tone number of the G component after color reduction is from about two to about 20 times the tone number of the B component.

5. A display unit as set forth in claim 1, wherein:
the tone numbers after color reduction are R component : G component
: B component = 2:4:1.

10 6. A display unit as set forth in claim 2, wherein:
the tone numbers after color reduction are R component : G component
: B component = 2:4:1.

15 7. A display unit as set forth in claim 1, wherein:
the tone numbers after color reduction are R component = 16, G
component = 32, and B component = 8.

8. A display unit as set forth in claim 2, wherein:
the tone numbers after color reduction are R component = 16, G
component = 32, and B component = 8.

20 9. A display unit comprising:
a display device;
a pseudo-tone processing means which receives inputs of display data;
means in said pseudo-tone processing means for color-reducing each RGB
component of said display data by means of pseudo-tone processing to produce
color-reduced display data;

25 a frame memory for storing said color-reduced display data;
a tone correction means for bit-incrementing said color-reduced display

a drive means for driving said display device using the bit-incremented display data.

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color-reducing each RGB component of said display data by means of pseudo-tone processing to produce color-reduced display data;

driving a display device using data derived from said color-reduced display data stored in said frame memory;

after color reduction as $G \text{ component} > R \text{ component} > B \text{ component}$.

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color-reducing each RGB component of said display data by means of pseudo-tone processing to produce color-reduced display data;

driving a display device using data derived from said color-reduced display data stored in said frame memory;

contribution of each RGB component to brightness.

2 to about 20 times said tone number of the B component.

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said tone number of said G component after color reduction is from about

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2 to about 20 times said tone number of the B component.

14. A display method as set forth in claim 10, wherein:
said tone numbers after color reduction are

R component : G component: B component = 2:4:1.

15. A display method as set forth in claim 11, wherein:
said tone numbers after color reduction are

R component : G component: B component = 2:4:1.

16. A display method as set forth in claim 10, wherein:

said tone numbers after color reduction are R component = 16, G component = 32, and B component = 8.

17. A display method as set forth in claim 11, wherein:

said tone numbers after color reduction are R component = 16, G component = 32, and B component = 8.

18. A display method comprising the steps of:

receiving input of display data;

color-reducing each RGB component of said display data by means of pseudo-tone processing to produce color-reduced display data;

storing said color-reduced display data in a frame memory;

bit-incrementing said display data after the step of color-reducing stored

in the frame memory to produce bit-incremented display data; and

driving a display device with said bit-incremented display data.